

IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (Currently Amended) A display device ~~provided with~~comprising:

a plurality of light-emitting units stacked together between a cathode and an anode, each of said light-emitting units including at least an organic light-emitting layer[[,]]; and ~~also with~~
a charge generation layer ~~held between each two adjacent ones of said~~ light-emitting units,

wherein,

said charge generation layer is composed of a ~~complex~~ [[n]] oxide comprising at least one [[of]] alkali ~~metal~~ metals ~~and or~~ alkaline earth ~~metals~~ metal.

2. (Original) A display device according to claim 1, wherein said charge generation layer is composed of Li_2SiO_3 .

3. (Original) A display device according to claim 1, wherein said charge generation layer is formed of a mixed layer composed of Li_2SiO_3 and a charge transport material.

4. (Original) A display device according to claim 1, wherein said charge generation layer has a stacked structure of a layer composed of Li_2SiO_3 and a mixed layer composed of Li_2SiO_3 and a charge transport material.

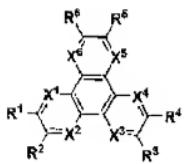
5. (Original) A display device according to claim 1, wherein said oxide in said charge generation layer forms an interfacial layer on an anode side of said charge generation layer.

6. (Currently Amended) A display device according to claim 1, wherein said oxide comprising an alkali metal in said charge generation layer, said oxide comprising said alkali metal, is at least one oxide selected from Li_2SiO_3 , Li_2CO_3 and Cs_2CO_3 .

7. (Currently Amended) A display device according to claim 1, wherein further comprising an interfacial layer on a cathode side of said charge generation layer that is composed of an organic material having [[the]]a phthalocyanine skeleton.

8. (Cancelled) A display device according to claim 1, wherein said charge generation layer is insulative.

9. (Original) A display device according to claim 1, wherein said charge generation layer comprises an organic compound represented by the following formula (1):



..... Formula (1)

wherein R^1 to R^6 are each independently a substituent selected from a hydrogen atom, a halogen atom, a hydroxyl group, an amino group, an arylamino group, a substituted or unsubstituted carbonyl group having not more than 20 carbon atoms, a substituted or unsubstituted carbonyl ester group having not more than 20 carbon atoms, a substituted or unsubstituted alkyl group having not more than 20 carbon atoms, a substituted or unsubstituted

alkenyl group having not more than 20 carbon atoms, a substituted or unsubstituted alkoxy group having not more than 20 carbon atoms, a substituted or unsubstituted aryl group having not more than 30 carbon atoms, a substituted or unsubstituted heterocyclic group having not more than 30 carbon atoms, a nitrile group, a nitro group, a cyano group, or a silyl group; each two adjacent ones of R^m (m: 1 to 6) may be fused together via a cyclic structure associated therewith; and X^1 to X^6 are each independently a carbon or nitrogen atom.

10. (Original) A display device according to claim 9, wherein said metal oxide in said charge generation layer forms an interfacial layer on an anode side of said charge generation layer, and said organic compound forms an intrinsic charge generation layer arranged in contact with said interfacial layer.

11. (Currently Amended) A display device provided withcomprising:

a plurality of light-emitting units stacked ~~together~~ between a cathode and an anode, each of said light-emitting units including at least an organic light-emitting layer[[.]]; and

~~also with~~ a charge generation layer ~~held~~ between each two adjacent ones of said light-emitting units[[.]]; and

a first interfacial layer composed of a fluoride comprising at least one alkali metal or alkaline earth metal and located at an interface on an anode side of each charge generation layer.

wherein

~~at an interface on an anode side of each charge generation layer, an interfacial layer composed of a fluoride comprising at least one of alkali metals and alkaline earth metals is arranged.~~

12. (Currently Amended) A display device according to claim 11, wherein said interfacial layer is formed of~~comprises~~:

a conducting material layer; and

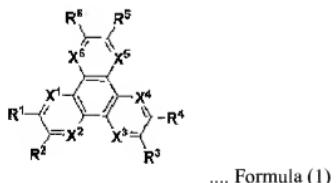
a layer arranged on an anode side of said conducting material layer and composed of a fluoride comprising at least one [[of]] alkali metals ~~and~~ or alkaline earth metal[[s]].

13. (Currently Amended) A display device according to claim 12, wherein said conducting material layer comprises at least one of magnesium, silver [[and]]or aluminum.

14. (Currently Amended) A display device according to claim 11, ~~wherein further comprising an second~~ interfacial layer on a cathode side of said charge generation layer ~~that is~~ composed of an organic material having [[the]]~~a~~ phthalocyanine skeleton.

15. (Cancelled)

16. (Original) A display device according to claim 11, wherein said charge generation layer comprises an organic compound represented by the following formula (1):



wherein R¹ to R⁶ are each independently a substituent selected from a hydrogen atom, a halogen atom, a hydroxyl group, an amino group, an arylamino group, a substituted or unsubstituted carbonyl group having not more than 20 carbon atoms, a substituted or unsubstituted carbonyl ester group having not more than 20 carbon atoms, a substituted or unsubstituted alkyl group having not more than 20 carbon atoms, a substituted or unsubstituted alkenyl group having not more than 20 carbon atoms, a substituted or unsubstituted alkoxy group having not more than 20 carbon atoms, a substituted or unsubstituted aryl group having not more than 30 carbon atoms, a substituted or unsubstituted heterocyclic group having not more than 30 carbon atoms, a nitrile group, a nitro group, a cyano group, or a silyl group; each two adjacent ones of R^m (m: 1 to 6) may be fused together via a cyclic structure associated therewith; and X¹ to X⁶ are each independently a carbon or nitrogen atom.

17. (Currently Amended) A display device according to claim 16, wherein said interfacial layer is formed of a layer, which is composed of comprising:
a fluoride comprising at least one[[of]] alkali metals and or alkaline earth metal[[s,]]; and
a conducting material layer, arranged in this order from the side of said anode, and
wherein,

said organic compound forms an intrinsic charge generation layer arranged in contact with said interfacial layer.

18. (Currently Amended) A display device ~~provided with~~comprising:

 a plurality of light-emitting units stacked together between a cathode and an anode, each of said light-emitting units including at least an organic light-emitting layer[[,]]; and
 also with a charge generation layer held between each two adjacent ones of said light-emitting units,

 wherein,

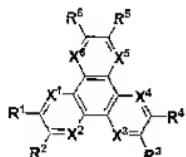
 said charge generation layer is formed of:

 a mixed layer of at least one element of alkali metals [[and]]~~or~~ alkaline earth metals and an organic material, and

 an intrinsic charge generation layer,

 stacked in contact with each other in this order from the side of said anode.

19. (Original) A display device according to claim 18, wherein said charge generation layer comprises an organic compound represented by the following formula (1):



.... Formula (1)

wherein R¹ to R⁶ are each independently a substituent selected from a hydrogen atom, a halogen atom, a hydroxyl group, an amino group, an arylamino group, a substituted or unsubstituted carbonyl group having not more than 20 carbon atoms, a substituted or unsubstituted carbonyl ester group having not more than 20 carbon atoms, a substituted or unsubstituted alkyl group having not more than 20 carbon atoms, a substituted or unsubstituted alkenyl group having not more than 20 carbon atoms, a substituted or unsubstituted alkoxy group having not more than 20 carbon atoms, a substituted or unsubstituted aryl group having not more than 30 carbon atoms, a substituted or unsubstituted heterocyclic group having not more than 30 carbon atoms, a nitrile group, a nitro group, a cyano group, or a silyl group; each two adjacent ones of R^m (m: 1 to 6) may be fused together via a cyclic structure associated therewith; and X¹ to X⁶ are each independently a carbon or nitrogen atom.

20. (Currently Amended) A display device according to claim 18, wherein said at least one of said alkali metals [[and]]or alkaline earth metals in said mixed layer amounts to not more than 50% in terms of relative film thickness percentage.

21. (Currently Amended) A display device according to claim 18, whereinfurther
comprising at said interface on the anode side of said charge generation layer, an interfacial layer composed of a fluoride comprising at least one [[of]] alkali metalsandor alkaline earth metals is arranged at said interface on an anode side of said charge generation layer.

22. (Currently Amended) A display device according to claim 18, ~~wherein~~further
comprising an interfacial layer on a cathode side of said charge generation layer is composed of
an organic material having the phthalocyanine skeleton.